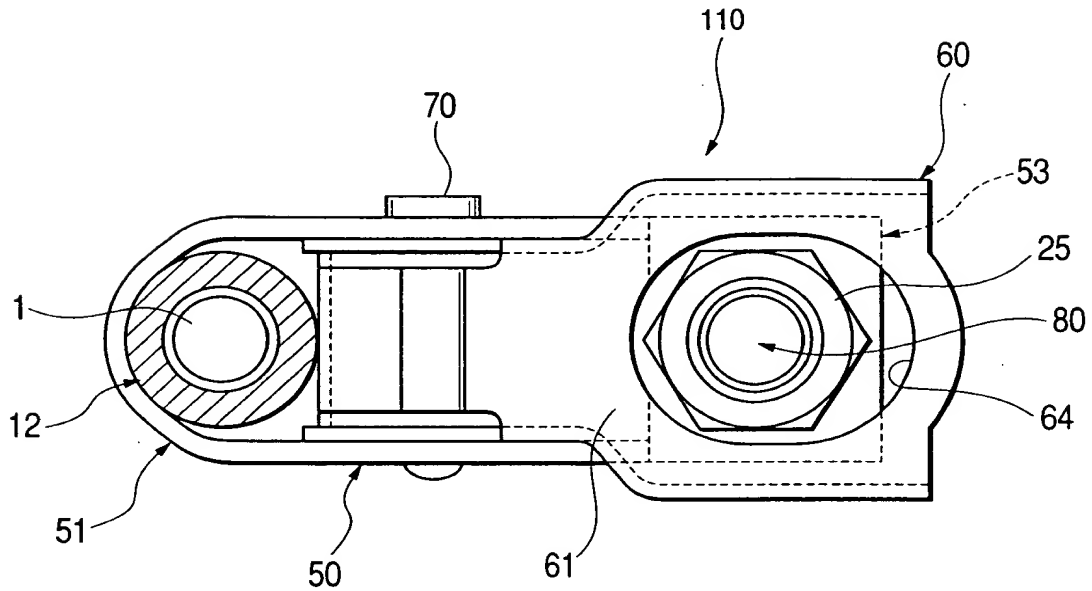


FIG. 1 is a cross-sectional view of a mechanical assembly. The assembly includes a base plate 1 with a vertical plate 60 and a curved plate 63. A bolt 80 with a hexagonal head 82 and a nut 83 is used to secure a component 25. A spring 51 is shown in a compressed state between a block 12 and a plate 13. A component 110 is shown in a retracted position. Various dimensions and features are labeled with numbers and letters.

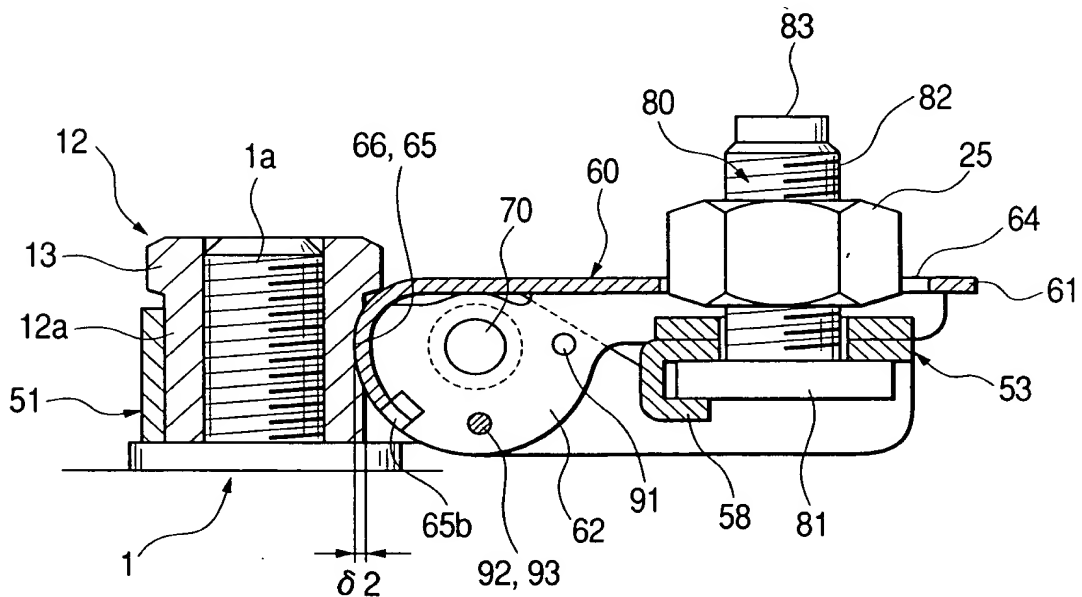


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**FIG. 10A**



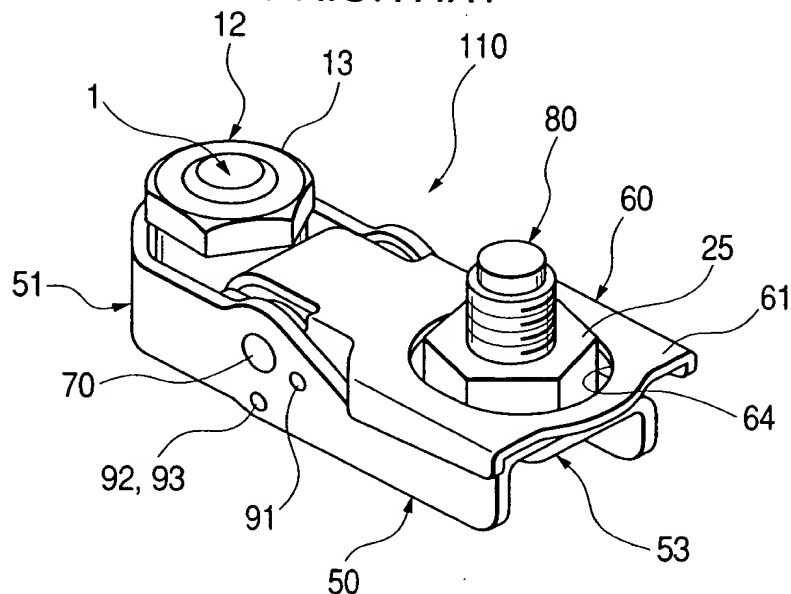
**FIG. 10B**



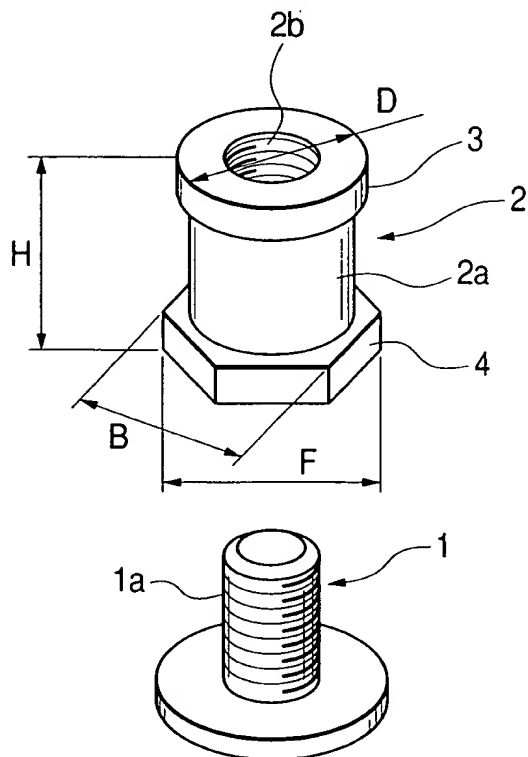


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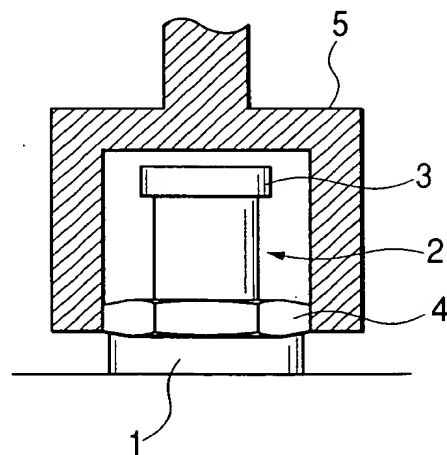
**FIG. 11**  
**PRIOR ART**



**FIG. 12**  
**RELATED ART**



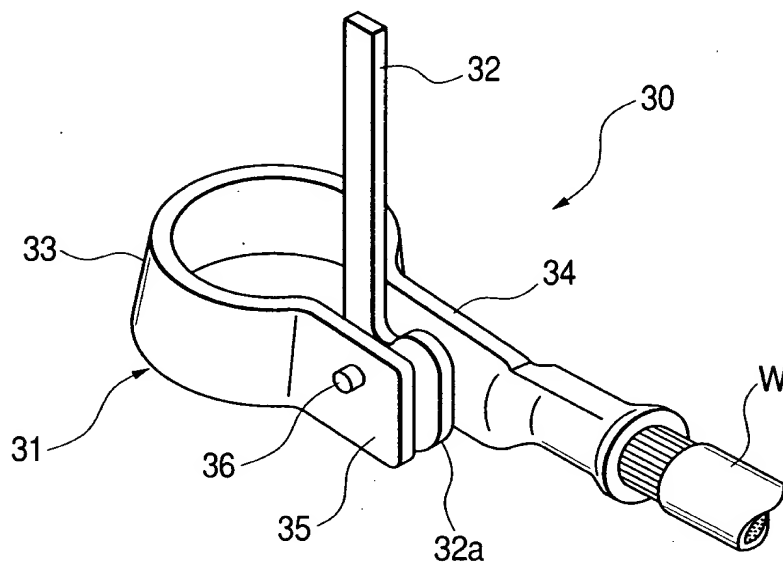
**FIG. 13**  
**RELATED ART**



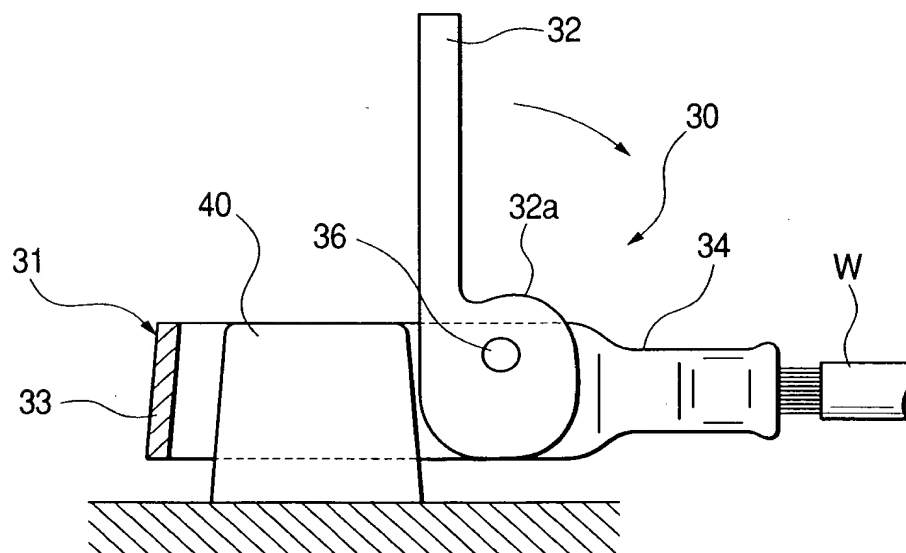


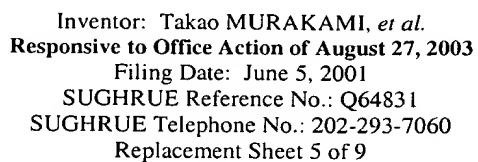
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**FIG. 14**  
PRIOR ART



**FIG. 15**  
PRIOR ART

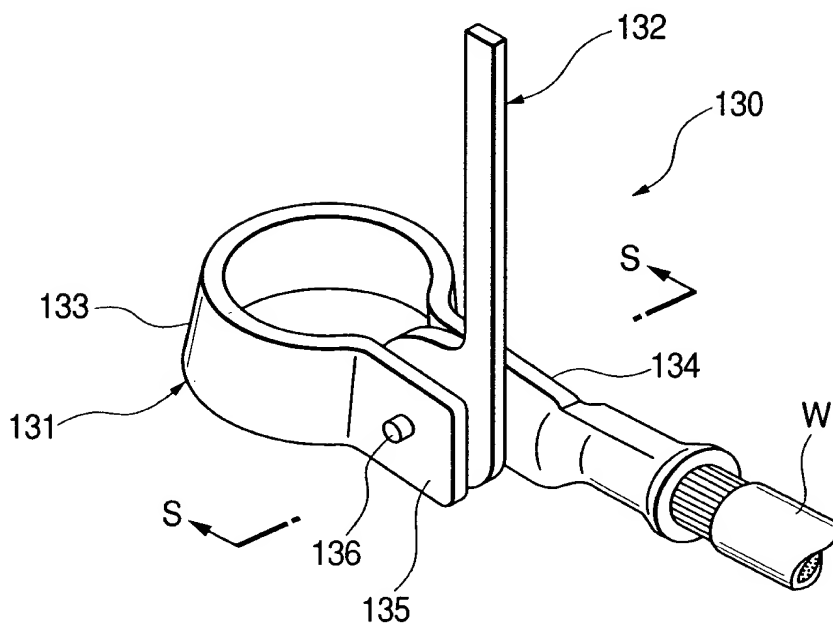




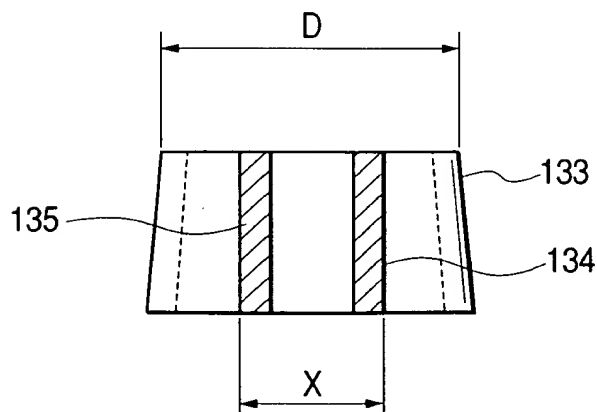


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**FIG. 18**  
PRIOR ART



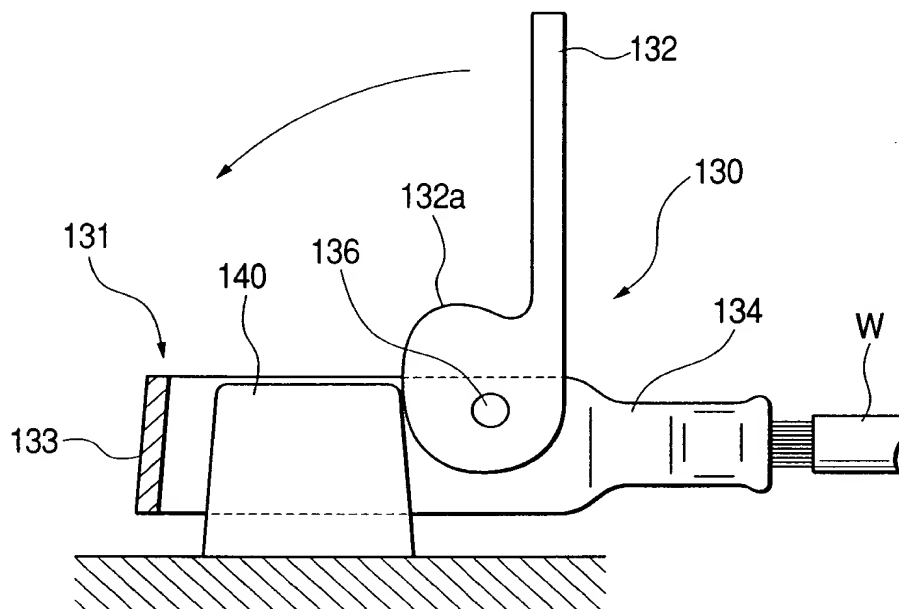
**FIG. 19**  
PRIOR ART



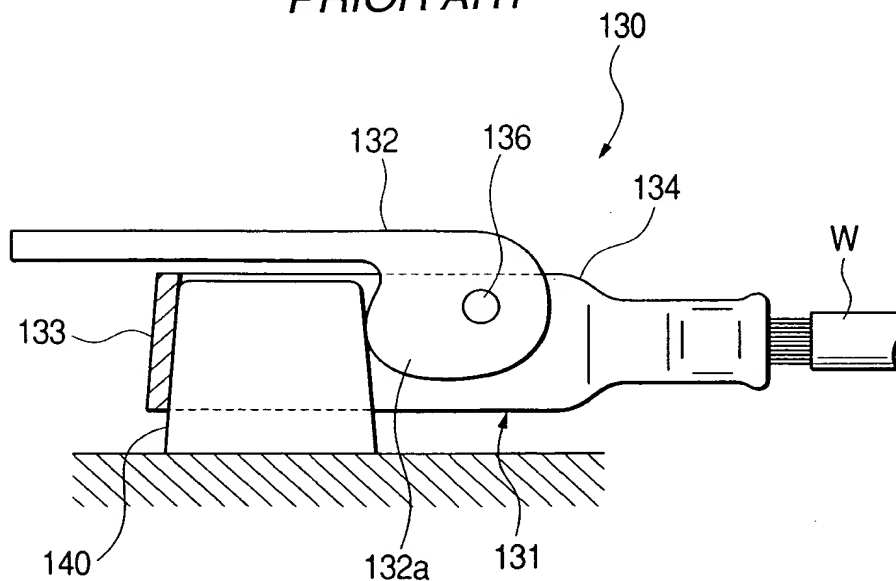


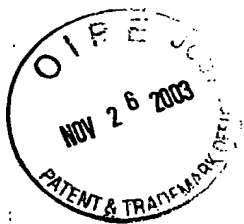
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**FIG. 20A**  
PRIOR ART



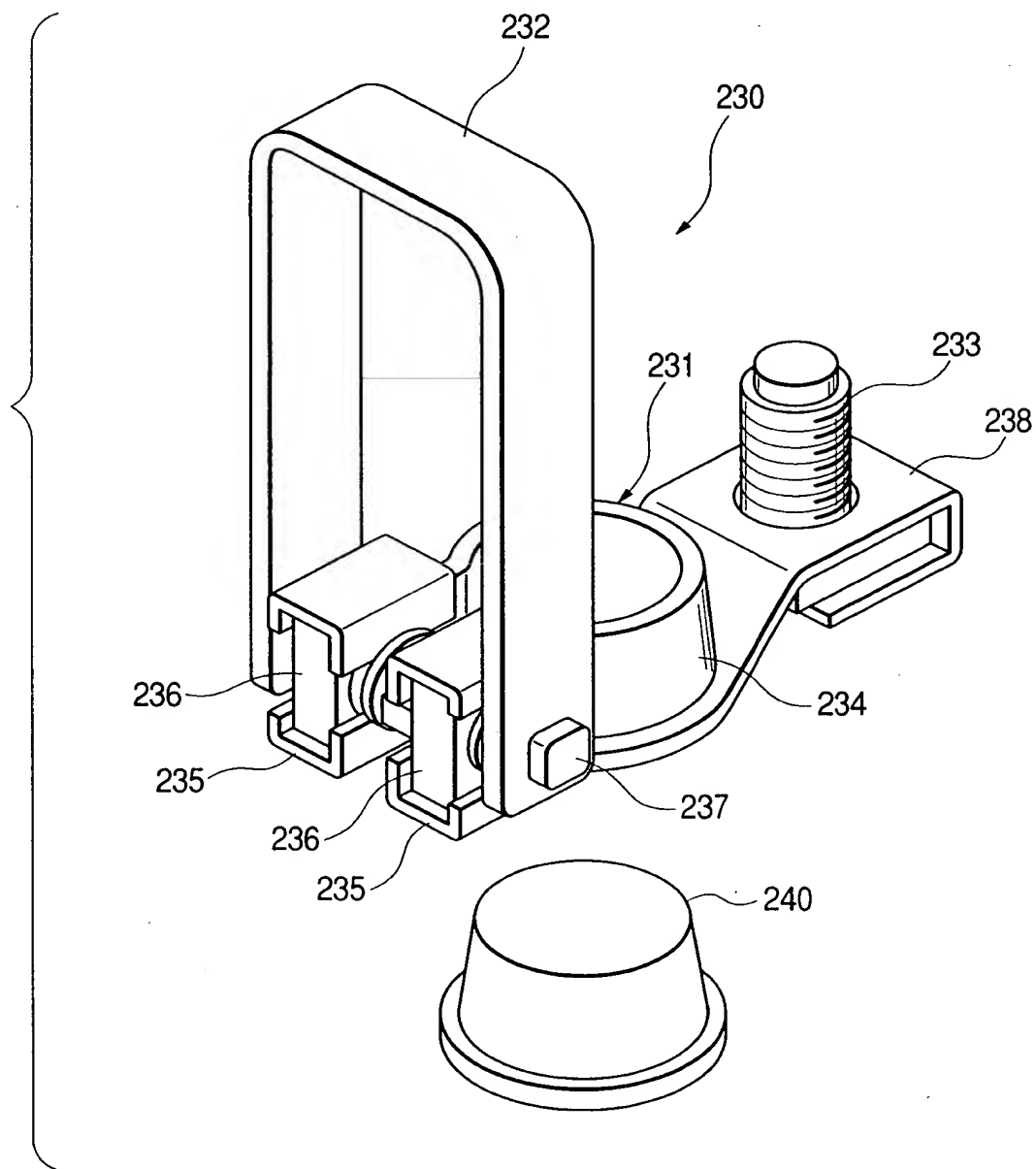
**FIG. 20B**  
PRIOR ART



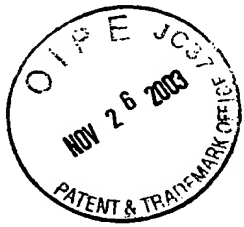


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**FIG. 21**  
**PRIOR ART**

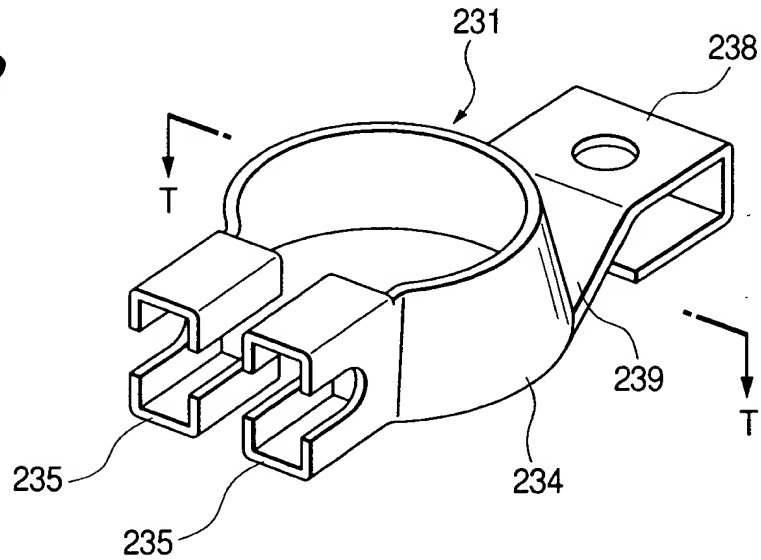




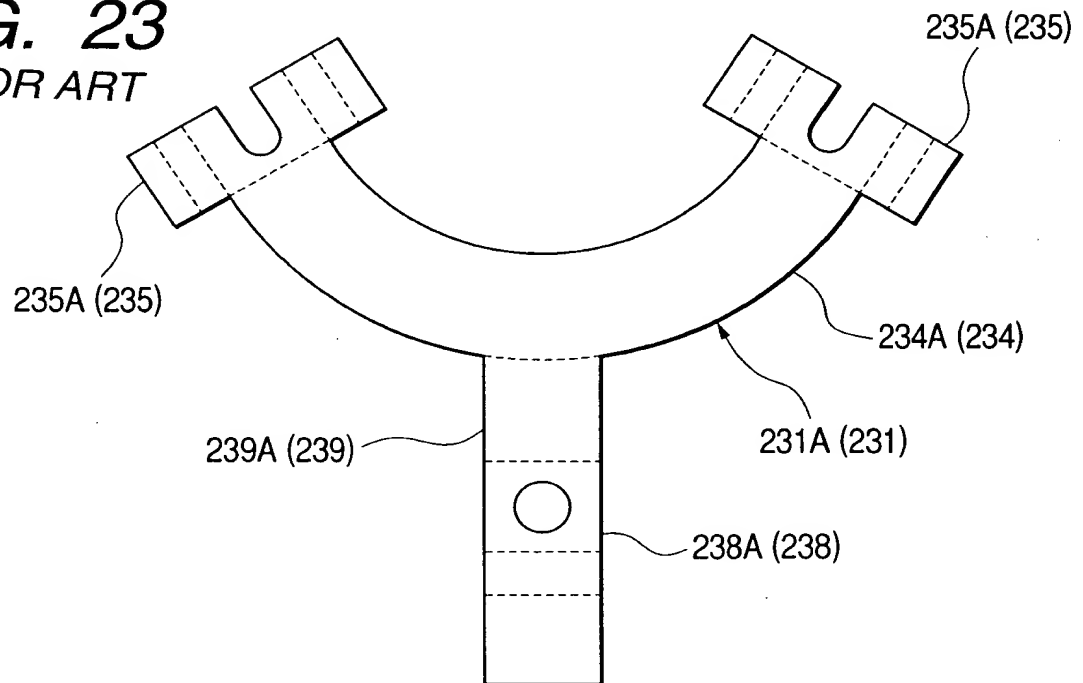


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**FIG. 22**  
PRIOR ART



**FIG. 23**  
PRIOR ART



**FIG. 24**  
PRIOR ART

